

PORSF  
11.3.18.1 V4



NPDES #1300 Oily Discharge General  
Permit  
Discharge Monitoring Report

Submit report monthly by 1  
of following month to:  
Oregon DEQ  
2020 SW 4th Avenue, Suite 400  
Portland, Oregon 97201

Legal Name: KINDER MORGAN LIQUID TERMINALS LLC

Site/File ID #: 32300

Common Name: LINNTON TERMINAL

County: MULTNOMAH

Facility Location: 11400 NW ST HELENS RD , PORTLAND

Month/Year Jan. 2008

Monitoring for Oil/Water Separator

TANK 3034

Day	Oil and Grease (mg/L)	Visible Sheen	Ethanol and/or MBTE	Flow
	Frequency varies, see permit	Daily, visual observation	Quarterly grab sample, if present on site and in bulk	Daily estimate, when discharging
Limit	10 mg/L monthly, 15 mg/L daily max.	No visible sheen at any time	No limit	No limit
1				
2				
3				
4				
5				
6				
7	5.5			126716
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	ND			
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
Total	5.5			126716
Max.	5.5			126716
Average	2.75			4088

USEPA SF



1288180

See Reverse Side for Additional Monitoring and Signature Block

## Stormwater Monitoring

Only for facilities required to have NPDES permits for stormwater, per 40 CFR 122.26  
Monitoring required for each point identified in the Stormwater Pollution Control Plan

Day	Visible Sheen	Floating Solids (associated with industry)	Total Copper (mg/L)	Total Lead (mg/L)	Total Zinc (mg/L)	pH (S.U.)	Total Suspended Solids (mg/L)
	Daily when discharging, visual observation	Once per month when discharging	Twice per year, grab sample	Twice per year, grab sample	Twice per year, grab sample	Twice per year, grab sample	Twice per year, grab sample
Limit	No visible sheen	No visible discharge*	0.1 mg/L*	0.4 mg/L*	0.6 mg/L*	Within 6.0 to 9.0	130 mg/L*
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17			0.004	ND	0.16	6.58	ND
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
Total							
Max.							
Average							

\*These are benchmarks, not effluent limits. If benchmarks are exceeded, review/possible revision of Stormwater plan is required. See permit for more details.

### Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official: \_\_\_\_\_

Name and Title (Please Print): \_\_\_\_\_

Date of Signature: 2-11-08

Telephone: 503 220 1276



# CERTIFICATE OF ANALYSIS

CLIENT: Kinder-Morgan Corporation  
ATTN: Steve Tungate  
5880 NW St. Helens Rd  
Portland OR, 92710

PROJECT NAME: Linnton T-3034  
PROJECT NUMBER: NPDES 001

PHONE: (503) 220-1276  
FAX: (503) 220-1270

SUBMITTED: 01/07/08 10:35

REPORT DATE: 01/08/08 14:13

REPORT NUMBER: 8010701

PAGE: 1 OF 1

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX					
8010701-01	T 3034-23-08	01/07/2008	0840	Water					
SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	NOTES	
8010701-01	SAMPLE ID: T 3034-23-08								
General Bench Analysis									
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	5.5	mg/L	2.0	so	01/08/2008 09:46		

## General Bench Analysis - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
CH: Batch 8A08004 - *** DEFAULT PREP ***										
QC SAMPLE: Blank (8A08004-BLK1)					Prepared & Analyzed: 01/08/08					
TOTAL OIL AND GREASE	ND	2.0	mg/L							
QC SAMPLE: LCS (8A08004-BS1)					Prepared & Analyzed: 01/08/08					
TOTAL OIL AND GREASE	40.1	2.0	mg/L	40.0		100	79-114			
QC SAMPLE: LCS Dup (8A08004-BSD1)					Prepared & Analyzed: 01/08/08					
TOTAL OIL AND GREASE	38.2	2.0	mg/L	40.0		95.5	79-114	4.85	18	

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James Weinkauff - QA/QC Director



# CERTIFICATE OF ANALYSIS

CLIENT: Kinder-Morgan Corporation  
ATTN: Steve Tungate  
5880 NW St. Helens Rd  
Portland OR, 97210

PROJECT NAME: Willbridge POTW 2A

PHONE: (503) 220-1276  
FAX: (503) 220-1270

SUBMITTED: 01/03/08 11:25

REPORT DATE: 01/15/08 13:27

REPORT NUMBER: 8010305

PAGE: 1 OF 2

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
8010305-01	POTW 2A	01/03/2008	1045	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	NOTES
8010305-01	SAMPLE ID: POTW 2A							
General Bench Analysis								
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	8.3	mg/L	2.0	so	01/10/2008 16:37	
PH	EPA 150.1/9040	pH	6.39	SU		DK	01/03/2008 17:50	
		TEMPERATURE (C)	13.5	SU				

## General Bench Analysis - Quality Control

h/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
BATCH: Batch 8A03015 - General Preparation										
QC SAMPLE: Duplicate (8A03015-DUP1)					Source: 8010307-01 Prepared & Analyzed: 01/03/08					
pH	7.32		SU		7.30			0.274	10	
TEMPERATURE (C)	18.1		"		17.5			3.37	200	
QC SAMPLE: Reference (8A03015-SRM1)					Prepared & Analyzed: 01/03/08					
pH	4.99		SU	5.00		99.8	97.5-102			
QC SAMPLE: Reference (8A03015-SRM2)					Prepared & Analyzed: 01/03/08					
pH	8.09		SU	8.00		101	97.5-102			
BATCH: Batch 8A10002 - *** DEFAULT PREP ***										
QC SAMPLE: Blank (8A10002-BLK1)					Prepared & Analyzed: 01/10/08					
TOTAL OIL AND GREASE	ND	2.0	mg/L							
QC SAMPLE: LCS (8A10002-BS1)					Prepared & Analyzed: 01/10/08					
TOTAL OIL AND GREASE	42.9	2.0	mg/L	40.0		107	79-114			
QC SAMPLE: LCS Dup (8A10002-BSD1)					Prepared & Analyzed: 01/10/08					
TOTAL OIL AND GREASE	37.4	2.0	mg/L	40.0		93.5	79-114	13.7	18	

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**TANK 3034  
DISCHARGE REPORT**

NPDES Permit No. 1300-J

*Kinder Morgan  
Linnton Terminal  
11400 NW St. Helens Road  
Portland, Oregon 97231*Batch No.: 23-08

Start of Discharge:

Date	Start Time	Beginning Gauge Reading Gallons	Person Starting Discharge
1/8/08	1450	128562	<i>[Signature]</i>

End of Discharge:

Date	Ending Time	Ending Gauge Reading Gallons	Person Ending Discharge
1.8.8	9300	1846	<i>[Signature]</i>

Total Gallons Discharged = 126716

## NON-COMMERCIAL BILL OF LADING

**□ 797 Channel Street, San Pedro, CA 90731**

**Ph: (310) 833-1557 Fax: (310) 833-1585**

Ph test = 6

Project Name: Innovation  
Project Number: T-303-1  
P.O. Number: 23-08  
Testing Priority                      Notification Method(s)                       
☐ Normal ☐ Telephone  
☒ Rush ☒ Email  
Due Date: 8/25/08 ☐ Mail

[illegible]

Relinquished By: <i>[Signature]</i>	Date/Time 1/04/08 0840	Received By: <i>[Signature]</i>	Date/Time 1-7-08 0840	FOR LABORATORY USE ONLY	
Relinquished By: <i>[Signature]</i>	Date/Time 1-7-08 1035	Received By: <i>[Signature]</i>	Date/Time 1/7/08 1035		
				Inspection Job Number: _____	PO# _____
				Laboratory Project Number: _____	Cash/check # _____
				Due Date: _____	Amount Paid: \$ _____

# Sample Acceptance Policy

## All samples must meet the following requirements:

- **Chain of Custody:** The COC list of samples must match the number and type of sample containers received, and sample descriptions on the COC must match the sample bottles. The requested tests and where possible, specific methods are shown on the COC.
- **Appropriate Container:** The correct sample containers must be used for the requested analyses.
- **Sample Volume:** There must be sufficient sample volume for the test(s) requested.
- **Holding Time:** The holding times for the requested analyses must not be expired.

## Environmental samples must meet the following additional requirements:

- **Sample Temperature:** Samples that require refrigeration shall be considered acceptable if the temperature as measured upon receipt is either within 2° C of the required temperature or the method specified range. For samples with a specified temperature of 4° C, samples received at temperatures ranging from just above freezing to 6° C shall be acceptable.

**NOTE:** Samples that are delivered to the laboratory shortly after sampling may not meet this criterion. However, the samples shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice, or if the samples were taken within the hour.

- **Sample Preservation:** Where possible without sacrificing the integrity of the sample, determine whether the sample bottle has been preserved correctly.

## Discrepancies:

If there is any doubt as to the suitability for testing such as the **sample does not conform to the sample description**, the sample containers are **damaged, leaking, or may be contaminated from other damaged or leaking sample containers**, or where **testing is not specified**, further instructions from the client are required. If the issue cannot be resolved and the sample does not meet sample acceptance criteria the laboratory shall either:

- Fully document any decision to proceed with the analysis and note the condition of the sample on the COC and work order; or
- Retain correspondence and/or records of conversations regarding the final disposition of rejected samples.

## Rejected Samples:

- Should the client choose to proceed with testing on questionable samples, the Work Order must be clearly marked with the nature of the problem so that the final report data may be appropriately qualified.
- Rejected samples must still be logged into LIMS to obtain a unique sample identification number to track sample disposition. However, for rejected samples, no testing is assigned. Instead, the sample status is set to "Rejected" by editing the work order status using the Update Status function of the Laboratory menu in LIMS.

Refer to the Columbia Inspection, Inc. Laboratory Policy, LP00.01, Sample Acceptance Policy and SOP15.01 Sample Receipt for complete details.

## Sample Disposal:

- Samples are disposed of after 45 days unless prior arrangements have been made with the laboratory.
- Samples that are deemed hazardous may be returned to the client for proper disposal.



# CERTIFICATE OF ANALYSIS

CLIENT: Kinder-Morgan Corporation  
ATTN: Steve Tungate  
5880 NW St. Helens Rd  
Portland OR, 97210

PROJECT NAME: Linnton T-3034  
PROJECT NUMBER: 1200Z

PHONE: (503) 220-1276  
FAX: (503) 220-1270

SUBMITTED: 01/17/08 12:45

REPORT DATE: 01/29/08 14:19

REPORT NUMBER: 8011702

PAGE: 1 OF 5

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX				
8011702-01	NPDES 1200Z T-3034	01/17/2008	1230	Water				
SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	NOTES
8011702-01	SAMPLE ID: NPDES 1200Z T-3034							
General Bench Analysis								
O & G, TOTAL (HEM)	EPA 1664	OIL/GREASE, TOTAL	ND	mg/L	2.0	so	01/21/2008 16:32	
PH	EPA 150.1/9040	pH	6.58	SU		DK	01/18/2008 10:00	
		TEMPERATURE (C)	17.2	SU				
SUSPENDED SOLIDS	EPA160.2/SM2540	SUSPENDED SOLIDS, TOTAL	ND	mg/L	5.00	DK	01/22/2008 11:54	
Total Metals by Inductively Coupled Plasma								
COPPER - ICP	EPA 200.7/6010B	COPPER	0.004	mg/L	0.004		01/24/2008 22:13	
LEAD - ICP		LEAD	ND	mg/L	0.004		01/24/2008 22:13	
ZINC - ICP		ZINC	0.16	mg/L	0.003		01/24/2008 22:13	

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# CERTIFICATE OF ANALYSIS

REPORT DATE: 01/29/08 14:19

REPORT NUMBER: 8011702

PAGE: 2 OF 5

## General Bench Analysis - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>BATCH: Batch 8A17006 - General Preparation</b>										
<b>QC SAMPLE: Duplicate (8A17006-DUP1)</b> Source: 8011705-01 Prepared: 01/17/08 Analyzed: 01/18/08										
pH	8.41		SU		8.38			0.357	10	
TEMPERATURE (C)	17.6		"		17.6			0.00	200	
<b>QC SAMPLE: Reference (8A17006-SRM1)</b> Prepared: 01/17/08 Analyzed: 01/18/08										
pH	4.97		SU	5.00		99.4	97.5-102			
<b>QC SAMPLE: Reference (8A17006-SRM2)</b> Prepared: 01/17/08 Analyzed: 01/18/08										
pH	8.00		SU	8.00		100	97.5-102			
<b>BATCH: Batch 8A21004 - *** DEFAULT PREP ***</b>										
<b>QC SAMPLE: Blank (8A21004-BLK1)</b> Prepared & Analyzed: 01/21/08										
OIL/GREASE, TOTAL	ND	2.0	mg/L							
<b>QC SAMPLE: LCS (8A21004-BS1)</b> Prepared & Analyzed: 01/21/08										
OIL/GREASE, TOTAL	44.4	2.0	mg/L	42.9		103	79-114			
<b>QC SAMPLE: LCS Dup (8A21004-BSD1)</b> Prepared & Analyzed: 01/21/08										
OIL/GREASE, TOTAL	42.9	2.0	mg/L	42.9		100	79-114	3.44	18	
<b>BATCH: Batch 8A22002 - General Preparation</b>										
<b>SAMPLE: Blank (8A22002-BLK1)</b> Prepared: 01/21/08 Analyzed: 01/22/08										
SUSPENDED SOLIDS, TOTAL	ND	5.00	mg/L							
<b>QC SAMPLE: Duplicate (8A22002-DUP1)</b> Source: 8011705-02 Prepared: 01/21/08 Analyzed: 01/22/08										
SUSPENDED SOLIDS, TOTAL	1510	5.00	mg/L		1030			37.8	20	QR-04

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# CERTIFICATE OF ANALYSIS

REPORT DATE: 01/29/08 14:19

REPORT NUMBER:8011702

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## General Bench Analysis - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>BATCH: Batch 8A22002 - General Preparation</b>										
<b>QC SAMPLE: Reference (8A22002-SRM1)</b>						Prepared: 01/21/08 Analyzed: 01/22/08				
SUSPENDED SOLIDS, TOTAL	80.0	5.00	mg/L	82.0		97.6	80-120			

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# CERTIFICATE OF ANALYSIS

REPORT DATE: 01/29/08 14:19

REPORT NUMBER: 8011702

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## Total Metals by Inductively Coupled Plasma - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>BATCH: Batch 8A25010 - ***Metals Prep***</b>										
<b>QC SAMPLE: Blank (8A25010-BLK1)</b>				Prepared & Analyzed: 01/24/08						
COPPER	ND	0.004	mg/L							
LEAD	ND	0.004	"							
ZINC	ND	0.003	"							
<b>QC SAMPLE: LCS (8A25010-BS1)</b>				Prepared & Analyzed: 01/24/08						
COPPER	0.515	0.004	mg/L	0.500		103	85-115			
LEAD	0.519	0.004	"	0.500		104	85-115			
ZINC	0.502	0.003	"	0.500		100	85-115			
<b>QC SAMPLE: LCS Dup (8A25010-BSD1)</b>				Prepared & Analyzed: 01/24/08						
COPPER	0.508	0.004	mg/L	0.500		102	85-115	1.37	15	
LEAD	0.522	0.004	"	0.500		104	85-115	0.576	15	
ZINC	0.510	0.003	"	0.500		102	85-115	1.58	15	
<b>QC SAMPLE: Calibration Blank (8A25010-CCB1)</b>				Prepared & Analyzed: 01/24/08						
COPPER	ND	0.004	mg/L							
LEAD	ND	0.004	"							
ZINC	ND	0.003	"							
<b>QC SAMPLE: Calibration Blank (8A25010-CCB2)</b>				Prepared & Analyzed: 01/24/08						
COPPER	ND	0.004	mg/L							
LEAD	ND	0.004	"							
ZINC	ND	0.003	"							
<b>QC SAMPLE: Calibration Blank (8A25010-CCB3)</b>				Prepared & Analyzed: 01/24/08						
COPPER	0.008	0.004	mg/L							
LEAD	ND	0.004	"							
ZINC	ND	0.003	"							

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# CERTIFICATE OF ANALYSIS

REPORT DATE: 01/29/08 14:19

REPORT NUMBER: 8011702

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## Total Metals by Inductively Coupled Plasma - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>BATCH: Batch 8A25010 - ***Metals Prep***</b>										
<b>QC SAMPLE: Calibration Check (8A25010-CCV1)</b>				Prepared & Analyzed: 01/24/08						
COPPER	0.748		mg/L	0.750		99.7	90-110			
LEAD	0.750		"	0.750		100	90-110			
ZINC	0.745		"	0.750		99.3	90-110			
<b>QC SAMPLE: Calibration Check (8A25010-CCV2)</b>				Prepared & Analyzed: 01/24/08						
COPPER	0.746		mg/L	0.750		99.5	85-115			
LEAD	0.752		"	0.750		100	85-115			
ZINC	0.728		"	0.750		97.1	85-115			
<b>QC SAMPLE: Calibration Check (8A25010-CCV3)</b>				Prepared & Analyzed: 01/24/08						
COPPER	0.728		mg/L	0.750		97.1	85-115			
LEAD	0.738		"	0.750		98.4	85-115			
ZINC	0.700		"	0.750		93.3	85-115			
<b>QC SAMPLE: Matrix Spike (8A25010-MS1)</b>				Source: 8011402-01 Prepared & Analyzed: 01/24/08						
COPPER	0.801	0.004	mg/L	0.500	0.23	114	80-120			
LEAD	0.556	0.004	"	0.500	0.020	107	80-120			
ZINC	0.708	0.003	"	0.500	0.19	104	80-120			
<b>QC SAMPLE: Matrix Spike Dup (8A25010-MSD1)</b>				Source: 8011402-01 Prepared & Analyzed: 01/24/08						
COPPER	0.813	0.004	mg/L	0.500	0.23	117	80-120	1.49	15	
	0.584	0.004	"	0.500	0.020	113	80-120	4.91	15	
	0.742	0.003	"	0.500	0.19	110	80-120	4.69	15	

### Data Qualifiers:

Qualifier	Notes
QR-04	Due to noted non-homogeneity of the sample matrix, the RPD values for the duplicate sample exceeded control limits.

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## **CI Chain Of Custody requirements:**

### **CHAIN OF CUSTODY (COC)**

This COC must identify each sample with, ID numbers, descriptions, Matrix's, etc., including additional pertinent information in order to be valid and acceptable.

### **APPLICABLE CONTAINERS**

Sample containers used must be applicable & acceptable for the product in which it is being contained. CI does not assume responsibility for contamination resulting from the use of improper containers.

### **SAMPLE VOLUME**

The container being used should contain the necessary volume (usually 3/4 capacity fill) in order to analyze without being too full causing leakage and/or possible sample contamination.

### **SAMPLE TEMPERATURE (where applicable)**

Samples that require refrigeration shall be considered acceptable if the temperature, as measured upon receipt, is either within 2° Celsius of the required temperature or the temperature the method specifies. For samples with a specified temperature of 4° Celsius, samples received at temperatures ranging from just above freezing to 6° Celsius shall not be acceptable.

#### **NOTE:**

Samples delivered to CI laboratory shortly after sampling may not meet the above criterion. However, the samples shall be considered acceptable if the samples chilling process began prior to and arrival is indicative of such a process such as transport & arrival on ice or if sampled within 1 hour.

### **HOLDING TIMES (where applicable)**

Sample hold times, when applicable, must be strictly adhered to and not allowed to expire in order to be valid.

### **SAMPLE PRESERVATION (where applicable)**

Where applicable and where possible without sacrificing integrity of the sample, it shall be determined whether the bottle has been preserved as required.

### **DISCREPANCIES**

If there is doubt as to the suitability for testing, such as the sample does not conform to the sample description, the sample containers are damaged, leaking or possible contamination from other damaged or leaking sample containers or where testing isn't specified, further instructions from the client are required.

If the issue cannot be resolved and the sample does not meet sample acceptance criteria, CI shall either:

- A. Fully document any decision to proceed with analysis & note the condition of the sample on the COC.
- B. Retain correspondence and/or records of communications regarding final disposition of rejected samples.

### **REJECTED SAMPLES**

CI reserves the right to reject any sample that does not meet the CI sample acceptance protocol as outlined in CI laboratory Policy LPOO.OI and/or CI SOP 15.01.

### **SAMPLE DISPOSAL**

Samples are disposed of after 30 days unless other prior arrangements have been made with CI. Hazardous or other deemed samples may either be disposed of prior to the 30 days or returned to the client.

#### *Payment for services*

Payment for analysis is required prior to commencement of analysis unless a credit account with CI has been established. Submitting samples is an agreement to contract for the analysis requested and payment thereof.

Delinquent accounts are subject accounts, collection cost's and/or attorney fees including interest at the rate of 1.5% mo. on all unpaid balances.